

RECIPROCAL SUBTRACTION DIFFERENTIAL DISPLAY

Abstract of the Disclosure

5 This invention provides a method for identifying
differentially expressed nucleic acids between two
samples, comprising: a) selecting a first and second
nucleic acid sample; b) producing libraries for the first
and second nucleic acid sample; c) performing reciprocal
10 subtraction between the libraries to produce two
subtracted libraries; d) amplifying the two subtracted
libraries; and e) comparing the two amplified subtracted
libraries to identify differentially expressed nucleic
acids. Also, this invention provides the above-described
method, wherein the 3' primer used in the PCR
15 amplification is an oligo dT 3' primer. This invention
also provides the above-described methods, wherein the
comparing of step e comprises using a gel to separate the
nucleic acids from both of the libraries. This invention
provides the isolated nucleic acid identified by the the
20 above-described methods, wherein the nucleic was not
previously known to be differentially expressed between
the two samples.